

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

**A SILICON CARBIDE DEPOSITION FOR USE AS A BARRIER LAYER
AND AN ETCH STOP**

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ filed herewith;
- ☐ was filed on _____, under Serial No. _____, executed on even date herewith; or
- ☒ Express Mail No. EL171400830US (Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☒ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

09165248 "100198
86T00T" 84259T60

PRIORITY CLAIM (35 U.S.C. 119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. 119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application

Country:

Application No:

Filing date:

PRIORITY CLAIM (35 U.S.C. 120)

I hereby claim the benefit under Title 35, United States Code, Section 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☐ No such applications have been filed

☐ Such application have been filed, as follows:

Status

Serial No. Filing Date Patented Pending Abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
John R. Schiffhauer	Registration No. 32,170
B. Todd Patterson	Registration No. 37,906
Keith M. Tackett	Registration No. 32,008
D. Brit Nelson	Registration No. 40,370

Send correspondence to:

Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

B. Todd Patterson
PATTERSON & ASSOCIATES
(713) 623-4844

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: SUDHA RATHI

Inventor's signature: _____ Date: _____
Residence: 2748 WESTBERRY DRIVE
Post Office Address: SAN JOSE, CA 95132

U.S.A.

Country of Citizenship:

Full name of **second** inventor: PING XU

Inventor's signature: _____ Date: _____
Residence: CUPERTINO, CA 95014
Post Office Address: 10289 BRITTANY COURT
U.S.A.

Country of Citizenship:

Full name of **third** inventor: CHRISTOPHER BENCHER

Inventor's signature: _____ Date: _____
Residence: 977-2 ASILOMAR TERRACE
Post Office Address: SUNNYVALE CA 94086
U.S.A.

Country of Citizenship:

Full name of **fourth** inventor: JUDY HUANG

Inventor's signature: _____ Date: _____
Residence: LOS GATOS, CA 95032
Post Office Address: 16788 LEROY AVE.
U.S.A.

Country of Citizenship:

Full name of **fifth** inventor: KEGANG HUANG

Inventor's signature: *Kegang Huang* Date: Sept. 28, 1998
Residence: 44100 PACKARD COURT
Post Office Address: FREMONT CA 94539
U.S.A.


Country of Citizenship: *China*

Full name of **sixth** inventor: CHRIS NGAI

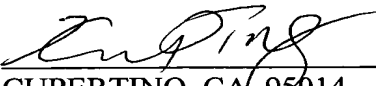
Inventor's signature: _____ Date: _____

09165248-100198
85 FOOT " 84259T60

Full name of **sole or first** inventor: SUDHA RATHI

Inventor's signature:  Date: 9/25/98
Residence: 2748 WESTBERRY DRIVE
Post Office Address: SAN JOSE, CA 95132
U.S.A.
Country of Citizenship:


Full name of **second** inventor: PING XU

Inventor's signature:  Date: 9/25/98
Residence: CUPERTINO, CA 95014
Post Office Address: 10289 BRITTANY COURT
U.S.A.
Country of Citizenship:

Full name of **third** inventor: CHRISTOPHER BENCHER

Inventor's signature:  Date: 9/25/98
Residence: 977-2 ASILOMAR TERRACE
Post Office Address: SUNNYVALE CA 94086
U.S.A.
Country of Citizenship:

Full name of **fourth** inventor: JUDY HUANG


Inventor's signature:  Date: Sep 25, 1998
Residence: LOS GATOS, CA 95032
Post Office Address: 16788 LEROY AVE.
U.S.A.
Country of Citizenship:

Full name of **fifth** inventor: KEGANG HUANG

Inventor's signature: _____ Date: _____
Residence: 44100 PACKARD COURT
Post Office Address: FREMONT CA 94539
U.S.A.
Country of Citizenship:

09165248.100198
36 FOOT 84259T60

Full name of **sixth** inventor: CHRIS NGAI

Inventor's signature:  Date: 9/25/98
Residence: 2606 SUMIT DRIVE
Post Office Address: BURLINGAME, CA 94010
U.S.A.

Country of Citizenship:

(Declaration ends with this page)

A:\Declaration.POA.DOC